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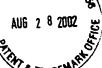
Application number 09/682,007   LeR y David Dickson   Art Unit 2872   1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number: 09/682,007
Application Filed: July 9, 2001
Applicant: LeRoy David Dickson
Title of Invention: Enhanced Volume Phase Grating with High Dispersion,
                         High Diffraction Efficiency and Low Polarization Sensitivity
Examiner: Audrey Y. Chang
Art Unit: 2872
Attorney Docket Number: 07032001

Assistant Commissioner for Patents
Washington, DC 20231

RESPONSE TO ADVISORY ACTION

Entry
Denied

pe
10/2/02

Madam:

In response to the Advisory Action mailed July 24, 2002, please amend the above application as follows. Amendments are indicated by <u>underline</u> and deletions are indicated by ~~strikethrough~~.

Note: Since the only changes to this patent application from the original 7/9/01 filed version are the amended independent claim and the amended specification page beginning with Equation (5), I have included these pages as "clean amended pages" immediately following the amendments below. In these "clean" pages the strikethroughs and brackets are deleted, and the underlines have been removed from the amended material. This should help to avoid confusion and minimize errors in the preparation of the patent in its final form

AMENDMENT OF THE SPECIFICATION:

On page 11 of the specification, beginning with Equation (5), amend the page as follows:

$$(5) \quad \Delta n = \frac{\lambda}{T}\frac{2s-1}{2}\sqrt{C_R C_S} = \frac{\lambda}{T}(\frac{2s-1}{2})\sqrt{(\cos\alpha)(\cos\alpha - \frac{\lambda}{nd}\tan(\frac{\beta-\alpha}{2}))}$$

where

s is the order of the S diffraction efficiency peak (1, 2, 3, ...) and p is the order of the P diffraction efficiency peak (1, 2, 3, ...)